Title (en)

Comparator-based thresholding method for determining data values

Title (de)

Komparatorbasiertes Schwellenverfahren zur Ermittlung von Datenwerten

Title (fr)

Procédé de seuillage basé sur comparateur pour déterminer des valeurs de données

Publication

EP 0852377 B1 19990908 (EN)

Application

EP 97309686 A 19971202

Priority

US 77715496 A 19961226

Abstract (en)

[origin: EP0852377A1] Embodiments of the invention include a method (10) and apparatus (20) for determining values for data reproduced or retrieved from data storage media such as in holographic memory systems. The method includes approximating (12) the initial value of data members retrieved initially from the data storage medium of interest (by their intensity levels based on an absolute scale), using those approximations collectively to establish (14) one or more threshold levels for defining ranges for the data values to be determined, and determining values for the retrieved data members by comparing (16) the initial data value approximations of the retrieved data members to the established threshold levels. Alternatively, the threshold level(s) are set initially and adjusted iteratively based on the initial approximations of the individual data members until a final established threshold level is established. Advantageously, embodiments of the invention reduce data encoding overhead by using data members to establish comparative threshold levels for the determination of their intended values. <IMAGE>

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IPC 8 full level

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CPC (source: EP US)

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